Application No. 10/773,559 Paper Dated: March 10, 2008

In Reply to USPTO Correspondence of November 9, 2007

Attorney Docket No. 1217-040223

## **AMENDMENTS TO THE SPECIFICATION**

Please replace the paragraph beginning at page 66, line 1, with the following rewritten paragraph:

-- Examples 2-to-4 and 3, Comparative Examples 1 to 4 to 5 --

Please replace the table on page 67 with the following revised table:

|                | <u> </u>        |                | i              |                |                | +          | П          |                |               |                  |                                |   |
|----------------|-----------------|----------------|----------------|----------------|----------------|------------|------------|----------------|---------------|------------------|--------------------------------|---|
| Comp.          | Comp.<br>Ex. 4  | Comp.<br>Ex. 3 | Comp.<br>Ex. 2 | Comp.<br>Ex. l | Ex. 43         | Ex. 3      |            | Ex. 2          | Ex. 1         | Melting<br>point |                                | Ovide<br>de                                 |
| 50 mol&        | 80 mol%         | 50 mol%        | 50 mol%        | 50 mol%        | 50 mol%        | -50-mo1-5- |            | 50 mol%        | 50 mol%       |                  | , 0, 00                        | F 600                                       |
| 45 mol%        | 20 mol%         | 45 mol%        | 45 mol%        | 45 mol%        | 45 mol%        | 4 TOW G 5  |            | 48 mol%        | 47 mol%       |                  | МпО                            | Met   |
| 5 mol%         | 1               | 5 mol%         | 5 mol%         | 5 mol%         | .5 mol%        | - 5 INOT 5 | 1          | 2 mol%         | 3 mol%        |                  | MgO                            | Metal Oxide (MO)                            |
| <b>j</b> · 1   | 2.0<br>wt.parts |                | 1              | 1              | I              |            |            | ı              | ı             |                  | SiO <sub>2</sub>               | (MO)  |
| Į i            |                 |                | 6<br>wt.parts  | I              | 1              |            | ı          | ı              | 1             | 563°C            | P <sub>2</sub> O <sub>5</sub>  | Low-mel                                     |
| wt.parts       | 1               | 1              |                | ı              | ļ              | wt.parts   | +          | 1              | 1             | 0°0°C            | V <sub>2</sub> O <sub>5</sub>  | Low-melting point oxide (M <sup>L</sup> O)  |
|                | 0.5<br>wt.part  | 1              |                | -              | 0.5<br>wt.part |            |            | 0.5<br>wt.part | 3<br>wt.parts | 824°C            | Bi <sub>2</sub> O <sub>3</sub> | oxide                                       |
| 0.3<br>wt.part | ı               | wt.parts       | ,              |                |                | -wt-part-  | <br>  <br> | 1              | 1             | 1843°C           | TiO2                           | High-melting point oxide (M <sup>H</sup> O) |
| ļı             | -               | 1              | 1              | ı              | 3<br>wt.parts  |            |            | 0.5<br>wt.part | wt.parts      | 2715°C           | ZrO2                           | ing point                                   |

Table

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Please replace the table on page 68 with the following revised table:

|                          |                          |                |   |                          |                          |                          |                           |                           |  |  | ٦  |  |
|--------------------------|--------------------------|----------------|---|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--|--|--|--|
| Comp.                    | Comp.<br>Ex. 4           | Comp.<br>Ex. 3 | Comp.<br>Ex. 2                          | Comp.<br>Ex. 1           | Ex:43                    | Ex. 3                    | Ex. 2                     | Ex. 1                     |  |  |  |  |
| 13.3                     | I                        | 1              | -                                       | !                        | 0.17                     | 13.3                     | 1.00                      | 1.00                      | (M <sub>1</sub> O) /                     |  | Composition  |  |
| 4.3<br>Wt.8              | %.0<br>%.5               | 6.0<br>wt.%    | 6.0<br>wt.%                             | l                        | 3.5<br>wt.8              | 1111111                  | 1.0<br>wt.%               | 6.0<br>wt.%               | (N,0) +                                  |  | ition  |  |
| 69/69                    | 55/55                    | 62/62          | 58/58                                   | 70/70                    | 70/70                    | 69/69                    | 76/76                     | 64/64                     | Magneti<br>-zation<br>(Ms)               |  | Magneti<br>materia                                 |  |
| 1/1                      | 7/7                      | 4/4            | 6/6                                     | 3/3                      | 2/2                      | 1/1                      | 1/1                       | 2/2                       | magneti-<br>zation<br>(Mr)               | material/coated carrier)  Residual Coerciv ration zation (Mr) (Mc) |  |  |
| 10/10                    | 35/35                    | 28/28          | 32/32                                   | 12/12                    | 12/12                    | 01/01                    | 7/7                       | 12/12                     | force<br>(Mc)                            | Coercive   | Magnetic properties (core material/coated carrier) |  |
| not formed               | not formed               | not formed     | not formed                              | not formed               | not formed               | not formed               | formed                    | not formed                | Oxide<br>coating<br>film                 |  |  |  |
| silicone                 | silicone                 | silicone       | silicone                                | silicone                 | silicone                 | gilicone                 | silicone                  | silicone                  | Coating<br>resin                         |  |  |  |
| 4.3×10°Ω·cm              | breakdown                | breakdown      | breakdown                               | breakdown                | 5.4×10 <sup>6</sup> Ω·cm | 4,3×10 <sup>3</sup> Ω cm | 5.1×10 <sup>6</sup> Ω·cm  | 6.3×10 <sup>7</sup> Ω·cm  | Before oxide<br>coating<br>treatment     | ţ  | E Dect   |  |
|                          |                          | 1              | *************************************** |                          |                          |                          | 6.9×10 <sup>7</sup> Ω·cm  |                           | After oxide<br>coating<br>treatment      | Electrical resistivity   |  |  |
| 5.2×10 <sup>7</sup> Ω·cm | 4.9×10 <sup>6</sup> Ω·cm | 3,6×10°Ω⋅cm    | 8.1×10 <sup>4</sup> Ω·cm                | 4.2×10 <sup>5</sup> Ω·cm | 6.3×10¹0Ω⋅cm             | 5.2×10 <sup>7</sup> Ω cm | 1.2×10 <sup>10</sup> Ω·cm | 2.5×10 <sup>11</sup> Ω·cm | After resin<br>coating                   |  |  |  |
| 34.1/36.3                | 32.5/34.6                | 25.3/28.4      | 85.2/86.4                               | 37.2/38.9                | 55.2/56.9                | 34.1/36.3                | 35.2/36.3                 | 42.1/43.3                 | (core<br>material/<br>coated<br>carrier) | diameter   | Average<br>particle                                |  |
| 1.2                      | 4.5                      | 11.3           | 0.5                                     | 3.5                      | 0.8                      | 1.2                      | 0.6                       | 1.1                       | ratio                                    | Mesh   | }  |  |

Pable 2

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Please replace the table on page 69 with the following revised table:

|       |                |   |  |  |   |  |   |  | T  |
|-------|----------------|---|--|--|---|--|---|--|--|
| Comp. | Comp.<br>Ex. 4 | Comp.<br>Ex. 3  | Comp.<br>Ex. 2   | Comp.<br>Ex. 1   | Ex. 4 3   | Ex. 3  | Ex. 2   | Ex. 1 ·  |  |
| ВВ    | 王王             | ממ  | 巴巴   | מס   | BB  | <u> 138</u>  | АА  | AA   | Solid<br>uniformity  |
| BB    | EE.            | 23  | 再民   | ממ   | BB  | <u>BB</u>  | AA  | ВВ   | Halftone<br>uniformity   |
| BB    | 西田             | Ħ<br>Ħ  | EJ<br>EJ   | ၁၁   | BB  | BB.  | АА  | 出出   | Carrier<br>adhesion  |
| CC    | DD             | CC  | 西田   | ממ   | АА  | . GC   | АА  | ВВ   | Gradation  |
| BB    | ממ             | ממ  | 변변   | CC   | ВВ  | BB   | АА  | ВВ   | Resolution   |
| . CC  | DD             | DD  | Ħ<br>H   | DD .   | ВВ  | CC   | AA  | ВВ   | Overall evaluation   |
|       | BB BB CC BB    | EE         EE         EE         DD         DD           BB         BB         BB         EC         BB | DD         CC         EE         CC         DD           BB         BB         BB         BB         EC         BB | EE         EE         EE         EE           DD         CC         EE         CC         DD           BB         BB         BB         BB         EC         BB | DD         CC         DD         CC           EE         EE         EE         EE           DD         CC         EE         DD         DD           EE         EE         DD         DD         DD | BB       BB       BB       AA       BB         DD       CC       DD       CC         EE       EE       EE       EE         DD       CC       EE       DD         BB       BB       BB       EE | BB         BB         BB         CC         DB           BB         BB         BB         AA         BB           DD         CC         DD         CC           DD         CC         EE         EE           DD         CC         EE         DD           BB         BB         BB         DD | AA         AA< | AA     BB     BB     BB     BB       AA     AA     AA     AA     AA       BB     BB     BB     BB     BB       BB     BB     BB     AA     BB       BB     BB     BB     BB     BB       BB     BB     BB     CC     BB       BB     BB     BB     BB     BB |